

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Please cancel claims 8-24 without prejudice.

Listing of Claims:

1. (Original) A method of controlling a dissolution rate of a bioactive agent, the method comprising:

selecting a desired dot topography corresponding to a target dissolution rate;

applying a bioactive agent to a delivery substrate to form dots having the desired dot topography on the delivery substrate.

2. (Original) The method of claim 1, wherein a dot topography of each of the dots is characterized by a standard deviation of topographical surface area that is less than approximately 15% of a mean topographical surface area.

3. (Original) The method of claim 1, wherein applying the bioactive agent to the delivery substrate includes heating a solution carrying the bioactive agent with a thermal ejection element.

4. (Original) The method of claim 1, wherein applying the bioactive agent to the delivery substrate includes displacing a solution carrying the bioactive agent with a piezoelectric ejection element.

5. (Original) The method of claim 1, wherein applying the bioactive agent to the delivery substrate includes ejecting drops of solvent carrying the bioactive agent in a concentration based on the desired dot topography.

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6. (Original) The method of claim 1, wherein applying the bioactive agent to the delivery substrate includes ejecting drops of solvent carrying the bioactive agent, wherein the drops have a drop volume based on the desired dot topography.

7. (Original) The method of claim 1, wherein applying the bioactive agent to the delivery substrate includes ejecting drops of solvent carrying the bioactive agent onto the delivery substrate and drying the solvent based on the desired dot topography.

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

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23. (Cancelled)

24. (Cancelled)

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